Active Recombinant Human GTF2A1, P55, GST-tagged

Cat. No. GTF2A1-1173H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	E.coli
Description	The Transcription Factor IIA (TFIIA) has been shown to bind to the TBP-DNA complex and to increase the affinity of TBP for the TATA element. Human TFIIA consists of three subunits of 35 kDa (α-subunit), 19 kDa (β-subunit) and 12 kDa (γ-subunit). The α- and β-subunits are derived from the product, p55, of a single gene by an unknown mechanism. However, recombinant p55, in combination with the 12 kDa subunit, retains native TFIIA activity. GST-p55 subunit of TFIIA is isolated from a strain of*E.coli*that contains the coding sequence of human p55 of TFIIA under the control of T7 promoter. GST-TFIIA can be used to study protein-protein interactions. Protein is greater than 95% homogeneous and contains no detectable proteases, DNase and RNase activity.
Usage	For in vitro use only.
Form	Liquid. Supplied in 20 mM Tris-HCl pH 8.0, 100 Mm KCl, 0.2 mM EDTA, 1 mM DTT, 20% glycerol.
Activity	100 ng are sufficient for a protein-protein interaction assay.
Purity	> 95% by SDS-PAGE.

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Storage	Quality guaranteed for 12 months, store at -80℃. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	GTF2A1 general transcription factor IIA, 1, 19/37kDa [Homo sapiens]
Synonyms	GTF2A1; general transcription factor IIA, 1, 19/37kDa; TF2A1; TFIIA; MGC129969; MGC129970; TFIIA alpha, p55, isoform 1; glucose regulated protein, 58kD pseudogene; TFIIA-42;Transcription initiation factor IIA subunit 1; Transcription initiation factor IIA alpha chain; TFIIA p35 subunit; TFIIA p19 subunit
Gene ID	2957
mRNA Refseq	NM_015859
Protein Refseq	NP_056943
MIM	600520
UniProt ID	P52655
Chromosome Location	14q31
Pathway	Basal transcription factors; Gene Expression; HIV Infection; Transcription
Function	DNA binding; TATA-binding protein binding; general RNA polymerase II transcription factor activity; protein heterodimerization activity; transcription coactivator activity; transcription factor binding

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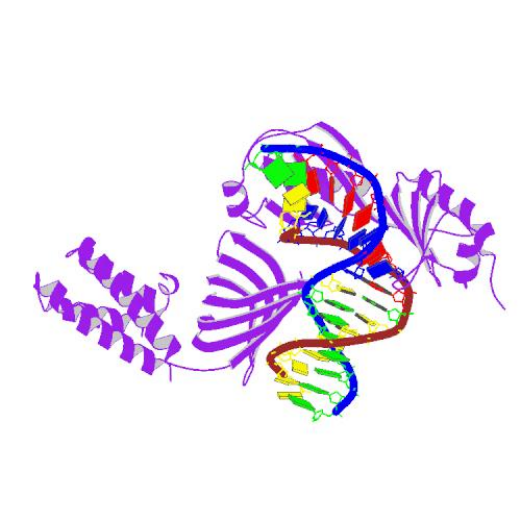
PDB rendering based on 1nvp.	

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